

Department of Computer Science

Software Project Proposal, Fall 2022-23

Course	OBJECT ORIENTED PROGRAMMING 2	Group No.	
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Project Title:

Whole Sale Management System

Project Description:

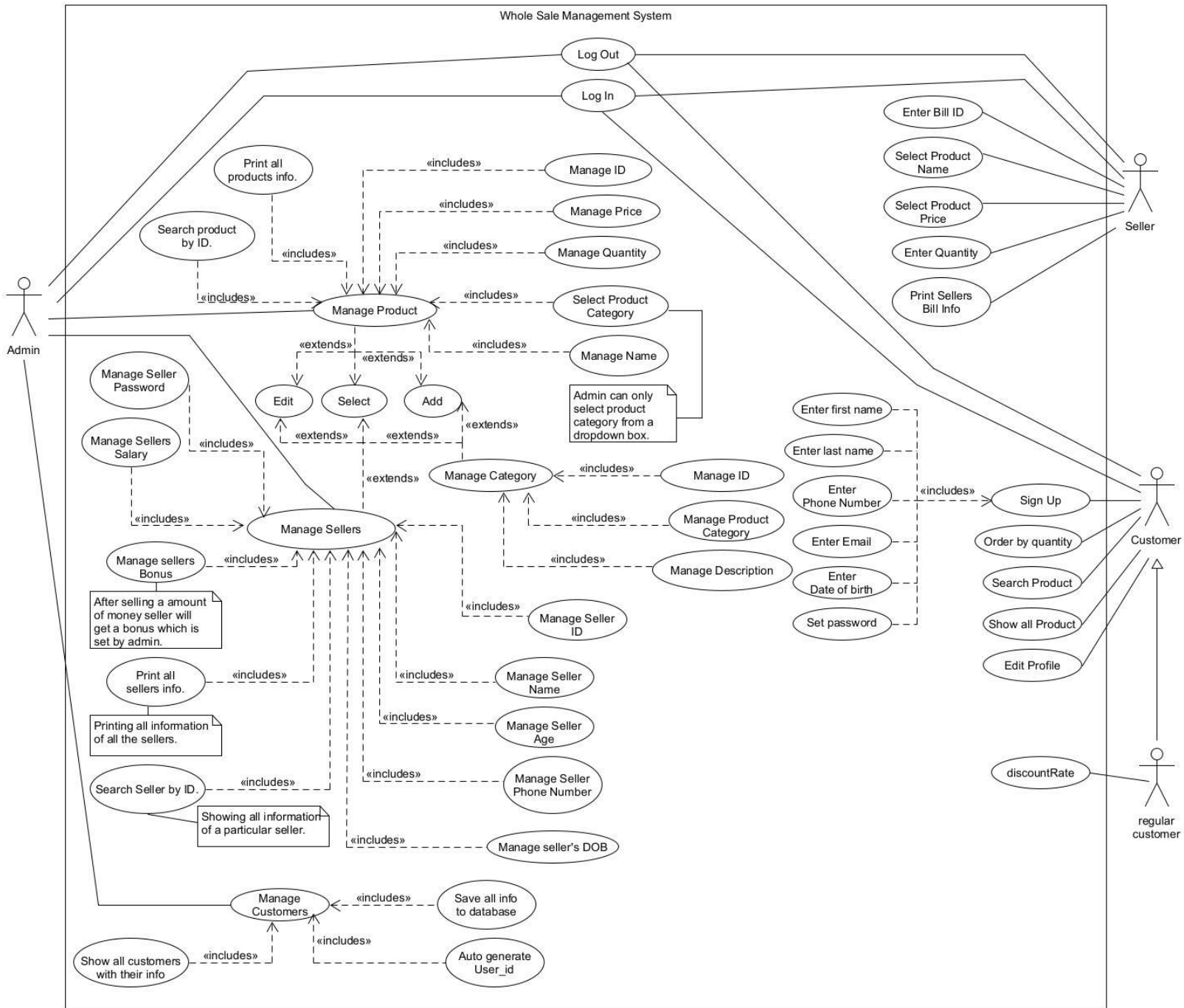
The Project associates building up a system regarding market and shopping concerning the wholesale domain. Hence the name of our system is **WASTE MINIMIZATION IN WHOLESALE MANAGEMENT SYSTEM**. It develops a complete C# application of a wholesale management system. The target audience of this project are the customers and the associated workers for example sellers. The main purpose of the project is to make life better with simpler and easier procedure of shopping in a huge wholesale complex by having minimal wastage. For that, the Application starts with an interface leading to a login form. The login form will be connected to a database where it covers 3 actors. The actors of Admin, seller and Customer. If the user_id and password of both the sellers and customers get matched with their data from the table entries, only then the seller and customer will be able to login to the Selling Form and Customer Form respectively. He can now Sell different products and print Bills from The Selling Form. And from the Customer Form, one can search and order product. If the user does his login as Admin, he can also go to the Product form. He can add, edit, delete and view Product stock. The Admin can also manage individual Sellers, besides he can add, edit or update the Sellers as well. Different Categories where the products belong to can also be monitored by the admin, he can enlist all the sale chart of a particular day. Moreover, managing product in our system will have a feature of expiry date. This will help the admin and sellers to be aware of the expired dates of the products so that our products could be sold out within best before dates. For this, our system will red mark all the products having cutoff dates of less than 5 days. This works as an alert so that necessary steps could be taken to try selling as many products possible within that lifetime. Also, the products that couldn't be sold before the timing, could be returned back to the company, where the company could try to reuse those or otherwise would give new products to the wholesalers. Henceforth less wastage of the foods and products from the vast count of ingredients in a wholesale.

REQUIREMENT SPECIFICATION:

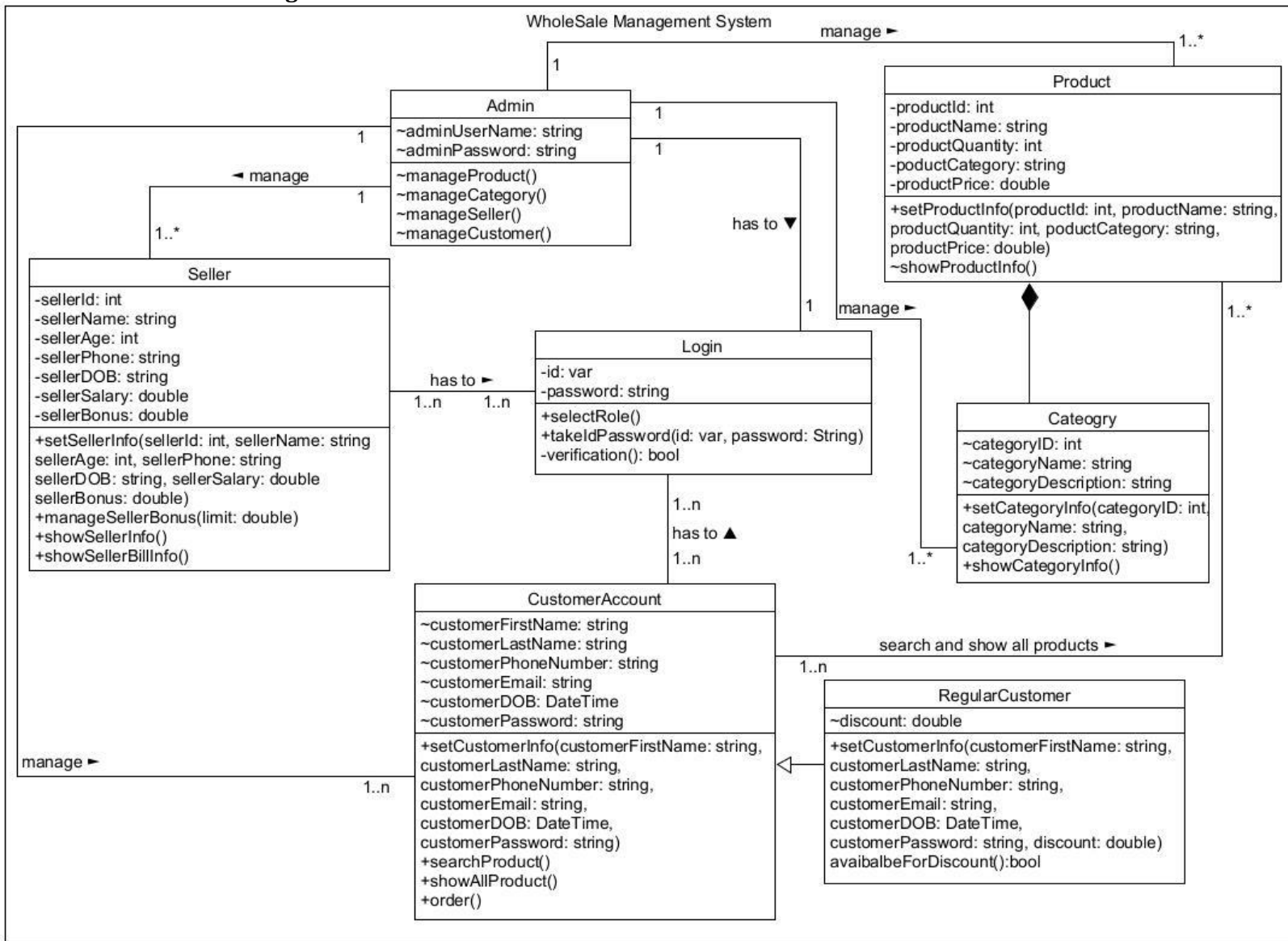
Use Case Name	Actor	User Story
Login	Admin	As an admin of the system, I want to Log-in to the system to access all the features of the system
Logout		I want to Logout from the system whenever I am done with its assistance or according to my will.
Manage Product		As an Admin I have the access to manage all the product of the system, managing the product's id, price and quantity, also the editing, selecting and deleting of the product.
Manage Sellers		I can monitor over the Sellers account with name, age, phone number, DOB and manage their accessibility to the system, including password, printing all their info and salary along with the bonus.
Manage Customers		I can control over the customer's account with all their info into the database and manage their accessibility to the system by auto generating their id.
Login	Seller	As a seller of the system, I want to Log-in to the system to access all the features of the system
Logout		I want to Logout from the system whenever I am done with its assistance or according to my will.
Enter Bill Id		Being the seller, I can generate their billing id.
See Product Name		I can see the names of the products that the customers have bought.
See Product Price		Billing would enlist all the products and I can set the Price for them.
Enter Quantity		Enlist the Amount or quantity of the products bought by the customers.
Print Sellers Bill Info		In the end, all the detailed information of the products can be printed by the seller.
Login	Customer	As a customer of the system, I want to Log-in to the system to access all the features of the system
Logout		I want to Logout from the system whenever I am done with its assistance or according to my will.
Sign Up		Being a customer of the system I must sign Up first as an identification.
Search Product		I can search any product as a customer, amongst all the products of the system,
Show all Product		After buying the needed products, I can now see all the products on my bucket.
Order by quantity		As a customer I have the attorney to decide the quantity of the product I want to buy from the system.
Edit Profile		If I need to update or change any of the previously given info e.g. phone number from my profile, I can edit that on my profile.
Discount Rate	Regular Customer	As of the regular customer, I am Special facilities holder, enjoying discount, and I can see the discount rate given by the system,

REQUIREMENTS DESIGN SPECIFICATION

- Use case diagram



- Class diagram



- ER Diagram:

